[c3]

[c4]

[c5]

[c1] What is claimed is:

1.A post-metal-plasma-etching wafer cleaning process, comprising: providing a wafer having a naked metal structure thereon; dipping the wafer into a first cleaning vessel having a volume of basic solution therein; and after dipping the wafer in the first cleaning vessel, the wafer is then transferred into a second cleaning vessel to perform at least one cycle of a hot quickdump-rinse (hot QDR) process.

[c2] 2.The post-metal-plasma-etching wafer cleaning process of claim 1 wherein the hot QDR process comprises a step of injecting heated deionized (DI) water into the second cleaning vessel from bottom of the second cleaning vessel.

3. The post-metal-plasma-etching wafer cleaning process of claim 2 wherein the hot QDR process further comprises a step of bubbling the heated DI water with CO $_2$ for keeping the heated DI water in a weak basic state.

4. The post-metal-plasma-etching wafer cleaning process of claim 2 wherein the DI water injected into the second cleaning vessel is heated to a temperature of about 70 $^{\circ}$ C to 80 $^{\circ}$ C.

5. The post-metal-plasma-etching wafer cleaning process of claim 1 wherein the volume of basic solution is a volume of amine-based basic solution.

[c6] 6.The post-metal-plasma-etching wafer cleaning process of claim 1 wherein the hot QDR process is carried out without using a scrubber positioned over the second cleaning vessel.

[c7] 7.A method for preventing corrosion in the fabrication of integrated circuits, comprising:

providing a wafer having a naked metal structure thereon; and executing a wet bench process over the wafer, comprising:

dipping the wafer in a basic solution;

performing a post-strip-rinse process after dipping the wafer in the basic solution;

	performing at least one cycle of a hot quick-dump-rinse (hot QDR) process; and performing a deionized water (DI) overflow final rinse at room temperature.
[c8]	8. The method of claim 7 wherein the hot QDR process is carried out in a QDR tank.
[c9]	9. The method of claim 8 wherein the hot QDR process comprises a step of injecting heated DI water into the QDR tank from bottom of the QDR tank.
[c10]	10. The method of claim 8 wherein the DI water injected into the QDR tank is heated to a temperature of about 70 $^{\circ}$ C to 80 $^{\circ}$ C.
[c11]	11. The method of claim 7 wherein the basic solution is amine-based basic solution.
[c12]	12. The method of claim 7 wherein post-strip-rinse process utilizes NMP (N-methyl-2-pyrrolidone) containing solution.
[c13]	13. The method of claim 7 wherein the hot QDR process is carried out without using a scrubber positioned over the QDR tank.
[c14]	14. The method of claim 7 wherein the room temperature is approximately between 20 $^{\circ}$ C and 30 $^{\circ}$ C.